

# Use and Maintenance Technical Manual



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## 32063-1 : Portable Fire Extinguisher, 6 L Foam



CLIP DETAIL



- **CYLINDER**  
In high-strength alloy steel, deep drawing, with clip, external powder painting Red Ral 3000.
- **EXTINGUISHING AGENT**  
Water-based foam.
- **PROPELLANT**  
Fire extinguisher pressurized at moment of use with gr.55 CO<sub>2</sub> cartridge.
- **VALVE**  
M. 74x2, lightweight aluminum alloy, activation with percussion method.
- **USE**  
A B fire rating  
(solid materials, flammable liquids).
- **BRACKET**  
Wall-mounted bracket for fire extinguisher with clip, red painting, in standard equipment

Note: image is for illustrative purpose only, the product purchased can has some difference

6 L foam fire extinguisher, pressurized at moment of use, temperature range from +5°C to +60°C, manufactured in accordance to **UNI EN 3-7 (D.M. 7.1.2005)**, certified according to the directive for pressure equipment PED 2014/68/EU. Manufactured according to productions checks as agreed with **EN 3-10**.

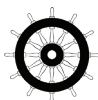
Quality Product certification guaranteed by Bureau Veritas Italia.

Suitable for use on fire involving electrical voltages up to 1'000 V, at a minimum distance of 1 meter.

APPROVED/CERTIFIED FIRE EXTINGUISHER:



For version MED 2014/90/UE:  
cod. 33063-1



**FIRE  
RATING :**



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## TECHNICAL SPECIFICATIONS

FIRE RATING	34 A 233 B
EXTINGUISHING AGENT	Foam EWAB15 (1,5 % SC-6 + 7 % Inilam AX + 91,5 % Water)
PROPELLANT	Cartridge with gr. 55 CO <sub>2</sub>
TEMPERATURE RANGE	+5°C / +60°C
NOMINAL CHARGE	6 Liters
FULL WEIGHT	~ 10,6 Kg
DIMENSIONS	Height 510 (valve) / 525 (hose) +/- 5 mm Diameter (cylinder) 162 +/- 2 mm
DISCHARGE TIME	~ 35,2 seconds
VALVE TIGHTENING TORQUE	Minimum 40 Nm, Maximum 60 Nm
CYLINDER PRESSURE TEST	PT 27 bar
CYLINDER VOLUME	7,3 L.
SAFETY DEVICE	Set at 24 +/- 2 bar
CYLINDER MATERIAL	Alloy steel
EXTERNAL /INTERNAL TREATMENT	Sandblast and powder painting, Red Ral 3000 colour / Plastic coating

## PACKAGING

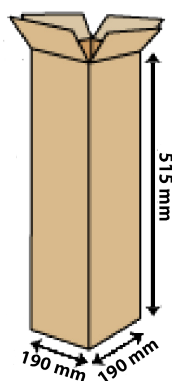
(Note: the packaging quantities and measurements are indicative and can be subject at changes)

### STANDARD

Maximum nr. 60 pieces for pallet

(single packaging)

Pallet dimensions 100x120 cm



## TRANSPORT DISPOSAL

Land transport : Exemption for the purposes of ADR disposal 594

Ship Transport : IMDG Code - UN 1044 class 2.2 Fire Extinguishers

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## COMPONENTS AND SPARE PARTS LIST

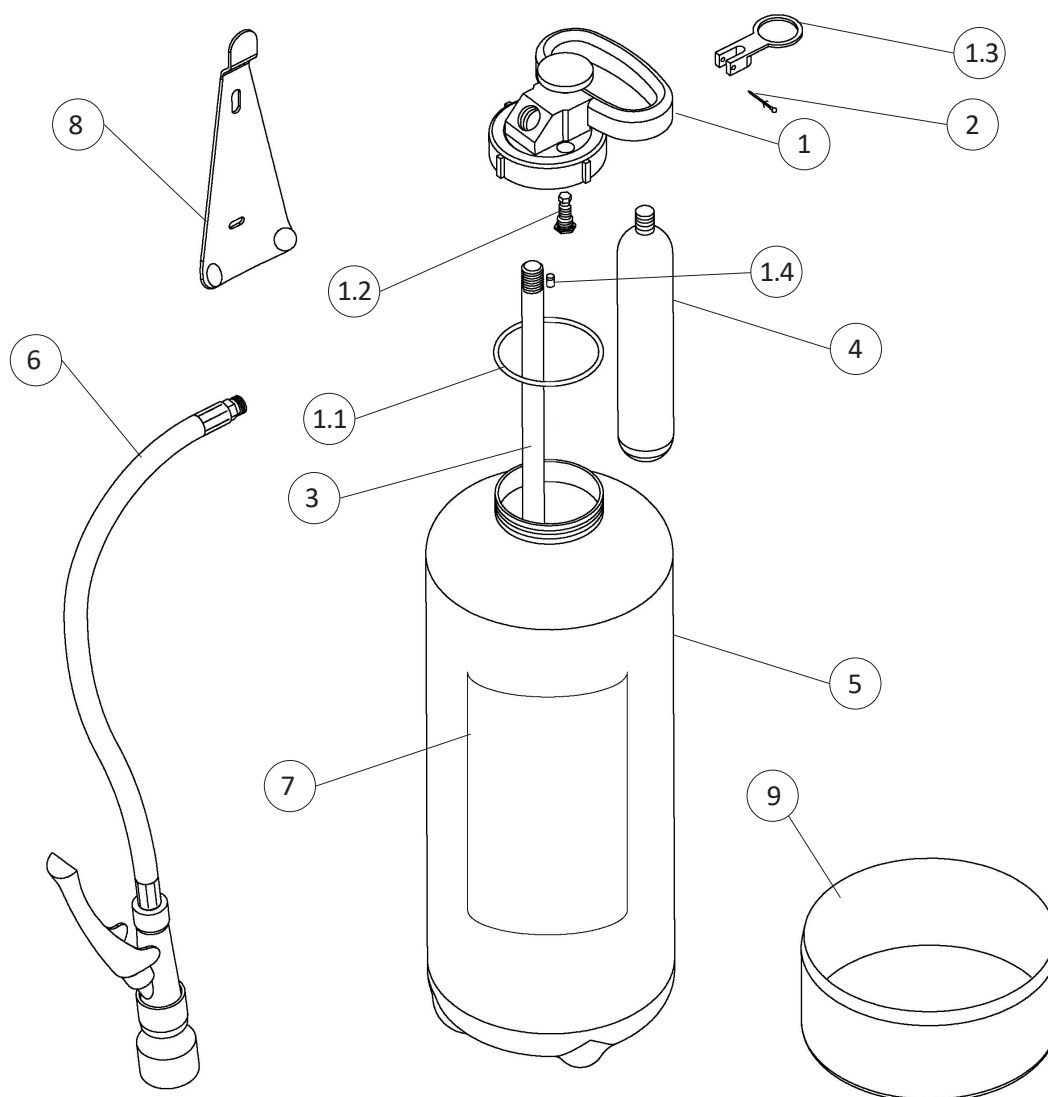


Table 1

NUM.	DESCRIZIONE	CODICE
1	Valve M. 74x2	3008-2
1.1	O-ring valve	0201-5
1.2	Safety device	n.a.
1.3	Safety pin	n.a.
1.4	Pressurizer cap	n.a.
2	Seal for safety pin	0285
3	PVC dip tube	2179-1

NUM.	DESCRIZIONE	CODICE
4	CO <sub>2</sub> cartridge 55 gr.	3029-1
5	Cylinder	n.a.
6	Hose with dispensing pistol	3014-4
7	Label 32063-1	2246
	Label 33063-1	2246-1
8	Wall-mounted bracket for fire extinguisher with clip	3036
9	Plastic bottom	n.a.

The spare part(valve) at number 1 includes already all others components indicated from 1.1 to 1.4  
 "n.a." means that are not available as single spare part

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## Maintenance periods for efficiency guarantee, methods and subjects accredited for maintenance

### 1) GENERAL REQUIREMENTS

All Fire Fighting Fire Extinguishers produced by Emme Antincendio must be installed, inspected and maintained in accordance with the following manual and with the rules in force in the country of destination.

All fire extinguishers must be recharged after partial use with original spare parts.

Every ordinary / extraordinary maintenance operation must be carried out using original spare parts and compliant with the declared certified prototype. The described below maintenance operations must be carried out by recognized personnel qualified by the company Emme Antincendio.

Fire extinguishers are classified into two categories that provide for specific construction standards:

- portable fire extinguishers: fire extinguishers designed to be transported and operated by hand, with a mass not exceeding 20 kg under operating conditions. Reference standard: EN 3-7
- wheeled fire extinguishers: wheel fire extinguishers designed to be transported and operated by hand, with a mass greater than 20 kg. Reference standards: EN 1866-1

Moreover, in relation to the extinguishing agent contained in them, they are identified in:

- water based fire extinguishers including foam extinguishers;
- powder fire extinguishers;
- carbon dioxide fire extinguishers;
- clean agent extinguishers

### 2) REFERENCE RULES

Fire Extinguishers produced by Emme Antincendio are manufactured in compliance with the following rules:

- EN 3-7: 2008 Portable fire extinguishers;
- EN 1866-1: 2008 Wheeled fire extinguishers;
- PED Directive 2014/68/EU pressure equipment;
- MED Directive 2014/90/EU devices for marine use (only for products bearing the relative MED certification mark, see pag 1 of this document)

### 3) INSTALLATION

- 1) Install the fire extinguisher with the appropriate bracket, with the handle at a maximum recommended height of 110 cm.
- 2) When installed in a vehicle the fire extinguisher must be held in a specific truck bracket.
- 3) Do not expose the fire extinguisher to the atmospheric agents or chemicals agents.  
(Note: in these cases protect the fire extinguisher with a special cabinet or protective cover.)
- 4) Do not expose the fire extinguisher to the direct sunlight.
- 5) Keep children away from fire extinguisher.
- 6) For Marine equipment or outdoor installation we recommend use of cover or cabinet.

### 4) MODALITY AND PRECAUTIONS FOR THE USE

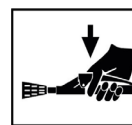
- 1) Follow the operating Instructions printed on the main fire extinguisher label



1) REMOVE SAFETY PIN



2) HOLD THE HOSE AND  
PUSH THE RED BUTTON



3) SQUEEZE THE LEVER AIM THE  
JET AT BASE OF FIRE

- 2) Do not through the fire extinguisher on to the direct flames.
- 3) This fire extinguisher is a pressurized vessel and must not be pierced, dented or subjected to external damage.
- 4) Do not direct the jet on the people.

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## 5) STEPS AND FREQUENCY RELATED TO MAINTENANCE OPERATIONS

### (For stored pressure fire extinguishers)

Note: The user have to complies to the national or international rules, if they are more restrictive of the below table

Table 2

Ref.	Periodicity	Step	Operations
5.1	12 Months	Ispection	Check the weight of CO <sub>2</sub> propellant cartridge
5.2	30 Months	Maintenance	Change the extinguishing agent.
	5 Years		Check the thread of the valve body and if a non-compliance is detected, replace it.
5.3	10 Years	Hydrotest Cylinder	Check the conservation status and perform the hydraulic test of the cylinder with suitable tool. Replace the CO <sub>2</sub> cartridge Is recommended the replacement of the dispensign valve
5.4	*20 Years		Is recommended the replacement of the fire extinguisher

\* If it located in particular environments the timing can be reduced.

(it is recommended to reduce to 10 years)

N.B. : All the operations must be calculated from the date of placing on the market.

For the hydraulic test refer to the date stamped on the tank.

### 5.1) Inspection Steps

1	Remove the fire extinguisher from the bracket and check the fixing stability
2	Check the weight of CO <sub>2</sub> propellant cartridge, that it complies at marking
3	Check the safety seal and the safety pin
4	Remove the hose and check the correct internal passage with compressed air
5	Record the inspection activity on the maintenance tag and on the fire protection register

### 5.2) Maintenance Steps

1	Remove the extinguisher from the support and check the condition of the fastening support Check the condition of the marking label, replace if necessary.	
2	Screw off and extract the dispensing valve	
3	Discharge the fire extinguisher, comply at rules for a correct disposal	
4	Check internally the cylinder and make sure that the protective coating is intact, also check there are no signs of corrosion. For the hose, check the internal passage with compressed air.	
5	Recharge the fire extinguisher with new extinguishing agent	
6	Check the thread of the valve body and if a non-compliance is detected, replace it.	
7	Dispensing valve with aluminum body	Check the weight of CO <sub>2</sub> propellant cartridge, screw back the valve with a tightening torque of : min. 40 Nm - max. 60 Nm
8	Reinsert the safety pin and its relative seal, screw the dispensing hose back on.	
9	Record the activity in the maintenance tag and in the maintenance register.	

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### 5.3) Hydraulic test step






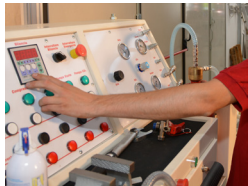



At least every 10 years from the production date the fire extinguisher must be overhauled by a hydraulic pressure test in accordance with the pressure values "PT" stamped on the cylinder.

1	Remove the extinguisher from the support and check the condition of the fastening support Check the condition of the marking label, replace if necessary.	
2	Screw off and extract the dispensing valve	
3	Discharge the fire extinguisher, comply at rules for a correct disposal	
4	Check internally the cylinder and make sure that the protective coating is intact, also check there are no signs of corrosion. For the hose, check the internal passage with compressed air.	
5	Hydraulic test with special machinery: keep the hydraulic pressure at the "PT" value for 30 seconds and proceed with deprusserization. Check the cylinder general condition.	
6	Proceed with rinsing/removal of any residuals.	
7	Recharge the fire extinguisher with new extinguishing agent	
9	Dispensing valve with aluminum body	Is recommended to replace the dispensing valve with a new one Replace the CO <sub>2</sub> cartridge Screw back the valve with a tightening torque of : min. 40 Nm - max. 60 Nm
10	Reinsert the safety pin and its relative seal, screw the dispensing hose back on.	
11	Record the activity in the maintenance tag and in the maintenance register.	

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## Executive details Inspection steps, Maintenance, Hydraulic test

	<p><b>1</b> - Remove the fire extinguisher from the bracket; check marking label and replace it if damaged, check stability of the bracket, cleaning, general conditions</p>		<p><b>2</b> - Screw off and remove the valve so unload completely the fire extinguisher , comply at local rules for the correct disposal.</p>
<p><b>3</b>- Check the inside of the tank with the appropriate inspection lamp. Also check that the hose is not obstructed, checking the correct passage of compressed air inside it, if necessary replace it with a new one.</p>			
			
	<p><b>5</b> - Hydraulic cylinder test: maintain hydraulic pressure at "PT" for 30 seconds and proceed with depressurization</p>	<p><b>6</b> - Proceed to rising/ removal of any residues</p>	
	<p><b>7</b> - Recharge the fire extinguisher with extinguishing agent</p>	 	<p><b>8</b> - Screw the dip tube, and the propellant cartridge, so screw the dispensing valve. Perform the operation with a suitable torque wrench. Making sure you have set the correct one tightening torque.</p>
<p><b>9</b> - Reinstall the safety pin and seal. Screw the hose.</p>			<p><b>10</b> - Record the inspection activity on the maintenance tag and on the fire protection register</p>

*Note: images are for illustrative purpose only.*

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## 5.4) Twenty-year control

End-of-life fire extinguishers must be disposed in accordance with local waste management rules.  
Before disposal or disassembly, the fire extinguisher MUST BE DEPRESSURIZED by a competent person.  
Fire extinguishers should always be disposed of through an approved disposal company and in accordance with applicable local and national codes.

\* If the fire extinguisher is located in particular environments, the "life time" timing can be reduced (see table 2 at point 5.4).

## 6) SPARE PARTS LIST AND MAINTENANCE TOOLS

### 6.1) Spare parts list

For the spare parts list see the table 1 at pag 3.  
For more details see web site [www.emme-italia.com](http://www.emme-italia.com)

### 6.2) Inspection/Maintenance Tools

For a complete list of recommended tools see web site [www.emme-italia.com](http://www.emme-italia.com).  
It is recommended to use instruments with controlled calibration and periodically verified (at least every 12 months) with certified sample instrument.

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